

# Public Reference Copy

<b>Mobility Fund</b> <b>Phase 1 - §54.1009 Annual Reporting</b> <b>Data Collection Form</b>	FCC Form Approved by OMB OMB 3060-1185 Avg. Burden Estimate per Respondent: 18 Hours
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<010> Study Area Code	198004
<015> Study Area Name	United States Cellular Corporation
<020> Program Year	2017
<030> Contact Name: Person USAC should contact with questions about this data	Stephanie Cassioppi
<035> Contact Telephone Number: Number of the person identified in data line <030>	7733997940 ext.
<039> Contact Email: Email of the person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

<040> <b>Has the information required pursuant to §54.1009 been provided with a Form 481 filing (Y/N)</b>	<040> <input checked="" type="radio"/> <input type="radio"/>
<041> Attach a description of the documents filed with the Form 481 reporting	<041> <div>198004VA041.pdf</div>
<042> Cite the Study Area Code (SAC) for the Form 481 reporting	<042> <div>199004</div>

<080> <b><u>Tribal Lands Reporting (y/n?)</u></b>	(Does this study area cover tribal lands? Yes or No)	<input type="radio"/> <input checked="" type="radio"/>
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## Notice to Individuals Required by the Paperwork Reduction Act of 1995

OMB Control Number 3060-1185 (Annual Report for Mobility Fund Phase I Support, FCC Form 690 and Record Retention Requirements)

Notice to Individuals Required by the Paperwork Reduction Act of 1995

Public reporting burden for this collection of information is estimated to average 18 hours per response. Our estimate includes the time to read the instructions, look through existing records, gather and maintain required data, and actually complete and review the form or response. If you have any comments on this estimate, or on how we can improve the collection and reduce the burden it causes you, please write the Federal Communications Commission, Office of Managing Director, AMD-PERM, Washington, DC 20554, Paperwork Reduction Act Project (3060-1185). Please DO NOT SEND COMPLETED FORMS TO THIS ADDRESS. You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number and/or we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-1185.

THIS NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

# Public Reference Copy

## (050) Carrier Contact Form

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185  
Page 2 of 8

<010>	Study Area Code	198004
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2017
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	7733997940 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

### Reporting Carrier / Mobility Fund Phase 1 Winning Bidder

<110>	FCC Registration Number	4372322
<111>	Filing Carrier Name	United States Cellular Corporation
<112>	Winning Bidder Carrier Name	United States Cellular Corporation
<113>	Street Address (or PO Box)	8410 W. Bryn Mawr
<114>	City	Chicago
<115>	State	IL
<116>	Zip-Code	60631
<117>	Telephone Number	7733997940 ext.
<118>	Fax Number	7733998959
<119>	Email Address	Stephanie.Cassioppi@USCellular.com

### Contact Information

if same as above, indicate in this box



<120>	Name (First, MI, Last, Suffix)	Stephanie Cassioppi
<121>	Filing Carrier Name	United States Cellular Corporation
<122>	Street Address (or PO Box)	8410 W. Bryn Mawr
<123>	City	Chicago
<124>	State	IL
<125>	Zip-Code	60631
<126>	Telephone Number	7733997940 ext.
<127>	Fax Number	7733998959
<128>	Email Address	Stephanie.Cassioppi@USCellular.com

### Authorized Agent Information

if no agent, indicate in this box



<130>	Name (First, MI, Last, Suffix)	
<131>	Company	
<132>	Street Address (or PO Box)	
<133>	City	
<134>	State	
<135>	Zip-Code	
<136>	Telephone Number	
<137>	Fax Number	
<138>	Email Address	

## Public Reference Copy

<b>(060) Coverage and Performance Report</b>	FCC Form 690 Ap proved by OMB OMB Control No. 3060-1185 Page 3 of 8
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<010>	Study Area Code	198004
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2017
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<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com
<140>	Coverage and Performance Report Year	01/2016 - 12/2016

## Coverage and Performance attachments

198004\_CPRd\_VA.zip, 198004\_CPRe\_f\_VA.zip,  
198004\_covered\_roads\_undriveable\_roads\_VA.zip

[illegible]

Percentage of Total  
Population Reached by  
Service

Percentage of Total  
Road Miles covered  
by Service

# Public Reference Copy

(070) Urban Rate Comparability Certification Compliance

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185  
Page 4 of 8

<010>	Study Area Code	198004
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<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

TO BE COMPLETED BY THE REPORTING CARRIER, IF THE REPORTING CARRIER IS FILING CERTIFICATION DATA ON ITS OWN BEHALF:

<b>Certification of Officer or Employee as to Compliance with 47 CFR §54.1009(a)(4)</b>		
I certify that I am an officer or employee of the reporting carrier; my responsibilities include ensuring compliance with 47 CFR §54.1009(a)(4), the information reported on this form and in any attachments is accurate.		
Name of Reporting Carrier:	United States Cellular Corporation	
Signature of Authorized Officer:	CERTIFIED ONLINE	Date 06/21/2017
Printed name of Authorized Officer:	John Gockley	
Title or position of Authorized Officer:	VP-Legal and Regulatory Affairs	
Telephone number of Authorized Officer:	7738643167 ext.	
Study Area Code of Reporting Carrier:	198004	Filing Due Date for this form: 07/03/2017
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.		

TO BE COMPLETED BY THE REPORTING CARRIER, IF AN AGENT IS FILING CERTIFICATION DATA ON THE CARRIER'S BEHALF:

<b>Certification of Officer or Employee to authorize an Agent to file Compliance with 47 CFR §54.1009(a)(4) on Behalf of Reporting Carrier</b>		
I certify that (Name of Agent) _____ is authorized to submit the information reported on behalf of the reporting carrier. I also certify that I am an officer or employee of the reporting carrier; my responsibilities include ensuring compliance with 47 CFR §54.1009(a)(4) reported to the authorized agent; and, to the best of my knowledge, the reports and data provided to the authorized agent is accurate.		
Name of Authorized Agent:		
Name of Reporting Carrier:		
Signature of Authorized Officer or Employee:		Date:
Printed name of Authorized Officer or Employee:		
Title or position of Authorized Officer or Employee:		
Telephone number of Authorized Officer or Employee:		
Study Area Code of Reporting Carrier:		Filing Due Date for this form:
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.		

TO BE COMPLETED BY THE AUTHORIZED AGENT:

<b>Certification of Agent Authorized to File Compliance with 47 CFR §54.1009(a)(4) on Behalf of Reporting Carrier</b>		
I, as agent for the reporting carrier, certify that I am authorized to submit the certification on behalf of the reporting carrier; I have provided the data reported herein based on data provided by the reporting carrier; and, to the best of my knowledge, the information reported herein is accurate.		
Name of Reporting Carrier:		
Name of Authorized Agent Firm:		
Signature of Authorized Agent or Employee of Agent:		Date:
Name of Authorized Agent Employee:		
Title or position of Authorized Agent or Employee of Agent:		
Telephone number of Authorized Agent or Employee of Agent:		
Study Area Code of Reporting Carrier:		Filing Due Date for this form:
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.		

# Public Reference Copy

(080) Tribal Lands Reporting

FCC Form 690

Approved by OMB

OMB Control No. 3060-1185

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<010>	Study Area Code	198004
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<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
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<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

<142> State \_\_\_\_\_

<143> County \_\_\_\_\_

<144> Tribal Land(s) on which ETC Serves \_\_\_\_\_

<145> Tribal Government Engagement Obligation

Name of Attached Document (.pdf)

If your company serves Tribal lands, please select (Yes, No, Not Applicable) for each of these boxes to confirm the status described on the attached PDF, on line 145, demonstrates coordination with the Tribal government pursuant to § 54.1004 includes:

- <146> Needs assessment and deployment planning with a focus on Tribal community anchor institutions;
- <147> Feasibility and sustainability planning;
- <148> Marketing services in a culturally sensitive manner;
- <149> Compliance with Rights of way processes
- <150> Compliance with Land Use permitting requirements
- <151> Compliance with Facilities Siting rules
- <152> Compliance with Environmental Review processes
- <153> Compliance with Cultural Preservation review processes
- <154> Compliance with Tribal Business and Licensing requirements.

Select (Yes, No, Not Applicable)

# Public Reference Copy

(090) Project Update Information

FCC Form 690

Approved by OMB

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<010>	Study Area Code	198004
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<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

<200>	Date Authorized to Receive Support	<input type="text" value="06/24/2013"/>
<201>	Targeted Completion Date	<input type="text" value="06/26/2015"/>
<202>	Total Mobility Fund Support Awarded	<input type="text"/>
<203>	Total Mobility Fund Support Disbursed	<input type="text"/>

<210>	Actual Completion Date	<input type="text"/>
-------	------------------------	----------------------

<211>	Project Status Description (attached)	<input type="text" value="198004_211_VA.pdf"/> {Name of PDF attached}
-------	---------------------------------------	--

Please check these boxes below to confirm that the attached PDF, on line 211, contains a project status pursuant to §54.1005(b)(2)(v). The information shall be submitted as appropriate.

<212>	Status of Network Deployment - Network Design	<input checked="" type="checkbox"/>
<213>	Status of Network Deployment - Construction	<input checked="" type="checkbox"/>
<214>	Status of Network Deployment - Deployment	<input checked="" type="checkbox"/>
<215>	Status of Network Deployment - Maintenance	<input checked="" type="checkbox"/>
<216>	Project Budget Status	<input checked="" type="checkbox"/>
<217>	Project Plan Status	<input checked="" type="checkbox"/>

<218> Network will Support 3G/4G Mobile Service ? ☐ 3G ☒ 4G

## Public Reference Copy

(101) Certification - Reporting Carrier

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<010>	Study Area Code	198004
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**TO BE COMPLETED BY THE REPORTING CARRIER, IF THE REPORTING CARRIER IS FILING ON ITS OWN BEHALF:**

### Certification of Officer as to the Accuracy of the Data Reported for Mobility Fund Recipients

I certify that I am an officer of the reporting carrier; my responsibilities include ensuring the accuracy of the reporting requirements for Mobility Fund recipients; and, to the best of my knowledge, the information reported on this form and in any attachments is accurate.

Name of Reporting Carrier: United States Cellular Corporation

Signature of Authorized Officer: CERTIFIED ONLINE

Date 06/21/2017

Printed name of Authorized Officer: John Gockley

Title or position of Authorized Officer: VP-Legal and Regulatory Affairs

Telephone number of Authorized Officer: 7738643167 ext.

Study Area Code of Reporting Carrier: 198004

Filing Due Date for this form: 07/03/2017

Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.

## Public Reference Copy

(102) Certification - Agent / Carrier

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185  
Page 8 of 8

<010>	Study Area Code	198004
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<020>	Program Year	2017
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<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com

TO BE COMPLETED BY THE REPORTING CARRIER, IF AN AGENT IS FILING ON THE CARRIER'S BEHALF:

Certification of Officer to Authorize an Agent to File for Mobility Fund Recipients on Behalf of Reporting Carrier	
I certify that (Name of Agent) _____ is authorized to submit the information reported on behalf of the reporting carrier. I also certify that I am an officer of the reporting carrier; my responsibilities include ensuring the accuracy of the data reporting requirements provided to the authorized agent; and, to the best of my knowledge, the reports and data provided to the authorized agent is accurate.	
Name of Authorized Agent:	
Name of Reporting Carrier:	
Signature of Authorized Officer:	Date:
Printed name of Authorized Officer:	
Title or position of Authorized Officer:	
Telephone number of Authorized Officer:	
Study Area Code of Reporting Carrier:	Filing Due Date for this form:
Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.	

TO BE COMPLETED BY THE AUTHORIZED AGENT:

Certification of Agent Authorized to File for Mobility Fund Recipients on Behalf of Reporting Carrier	
I, as agent for the reporting carrier, certify that I am authorized to submit the reports for Mobility Fund recipients on behalf of the reporting carrier; I have provided the data reported herein based on data provided by the reporting carrier; and, to the best of my knowledge, the information reported herein is accurate.	
Name of Reporting Carrier:	
Name of Authorized Agent Firm:	
Signature of Authorized Agent or Employee of Agent:	Date:
Name of Authorized Agent Employee:	
Title or position of Authorized Agent or Employee of Agent:	
Telephone number of Authorized Agent or Employee of Agent:	
Study Area Code of Reporting Carrier:	Filing Due Date for this form:
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






























## Attachments

# Public Reference Copy

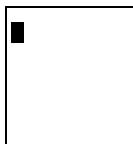
## (060) Coverage and Performance Report

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185

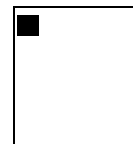
<010>	Study Area Code	198004
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2017
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
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<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com
<140>	Coverage and Performance Report Year	01/2016 - 12/2016

<a1>	<a2>	<a3>	<b1>	<b2>	<b3>	<c1>	<c2>	<c3>	<d>
State	County	Census Block	Resident Population per Census Block	Resident Population Newly Reached by Service	Total Resident Population Reached by Service	Road Miles per Census Block	Road Miles per Census Block Newly Reached	Total Road Miles covered per Census Block	Certify that Coverage and Performance data is uploaded (yes/no)
VA	Wythe	511970503021124	0	0	0	0.03			Yes
VA	Wythe	511970503022080	0	0	0	0.01			Yes
VA	Wythe	511970503021192	0	0	0	0.01			Yes
VA	Wythe	511970503022067	0	0	0	0.02			Yes
VA	Wythe	511970503022090	0	0	0	0.12			Yes
VA	Wythe	511970503021212	0	0	0	0.06			Yes
VA	Wythe	511970503021152	0	0	0	0.36			Yes
VA	Wythe	511970503022072	0	0	0	1.27			Yes
VA	Wythe	511970503021185	0	0	0	0.05			Yes
VA	Wythe	511970503021093	0	0	0	0.17			Yes
VA	Wythe	511970503022064	0	0	0	0.3			Yes
VA	Wythe	511970503021187	0	0	0	0.01			Yes
VA	Wythe	511970503021188	0	0	0	0.26			Yes
VA	Wythe	511970503021147	0	0	0	0.61			Yes
VA	Wythe	511970503021097	0	0	0	0.06			Yes
VA	Wythe	511970503021203	0	0	0	0.61			Yes
VA	Wythe	511970503021090	0	0	0	9.24			Yes
VA	Wythe	511970503021100	0	0	0	0.07			Yes
VA	Wythe	511970503021233	0	0	0	0.17			Yes
VA	Wythe	511970503022107	0	0	0	0.25			Yes

Percentage of  
Total Population  
Reached by  
Service



Percentage of Total  
Road Miles covered  
by Service



# Public Reference Copy

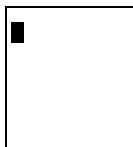
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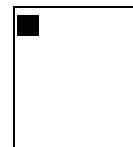
<010>	Study Area Code	198004
<015>	Study Area Name	United States Cellular Corporation
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<140>	Coverage and Performance Report Year	01/2016 - 12/2016

<a1>	<a2>	<a3>	<b1>	<b2>	<b3>	<c1>	<c2>	<c3>	<d>
State	County	Census Block	Resident Population per Census Block	Resident Population Newly Reached by Service	Total Resident Population Reached by Service	Road Miles per Census Block	Road Miles per Census Block Newly Reached	Total Road Miles covered per Census Block	Certify that Coverage and Performance data is uploaded (yes/no)
VA	Wythe	511970503021166	0	0	0	0.24			Yes
VA	Wythe	511970503021137	0	0	0	0.04			Yes
VA	Wythe	511970503021163	0	0	0	0.54			Yes
VA	Wythe	511970503022084	0	0	0	0.47			Yes
VA	Wythe	511970503021184	0	0	0	0.15			Yes
VA	Wythe	511970503022081	0	0	0	0.53			Yes
VA	Wythe	511970503021165	0	0	0	0.38			Yes
VA	Wythe	511970503021141	0	0	0	0.48			Yes
VA	Wythe	511970503021193	0	0	0	0.16			Yes
VA	Wythe	511970503021138	0	0	0	0.4			Yes
VA	Wythe	511970503021176	0	0	0	0.12			Yes
VA	Wythe	511970503022096	0	0	0	0.38			Yes
VA	Wythe	511970503022060	0	0	0	0.46			Yes
VA	Wythe	511970503021206	0	0	0	0.14			Yes
VA	Wythe	511970503022079	0	0	0	0.31			Yes
VA	Wythe	511970503021151	0	0	0	0.04			Yes
VA	Wythe	511970503021148	0	0	0	0.05			Yes
VA	Wythe	511970503021099	0	0	0	0.2			Yes
VA	Wythe	511970503021149	0	0	0	0.01			Yes
VA	Wythe	511970503021119	0	0	0	0.63			Yes

Percentage of  
Total Population  
Reached by  
Service



Percentage of Total  
Road Miles covered  
by Service



# Public Reference Copy

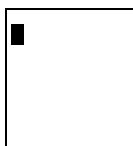
## (060) Coverage and Performance Report

FCC Form 690  
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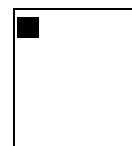
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<020>	Program Year	2017
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<140>	Coverage and Performance Report Year	01/2016 - 12/2016

<a1>	<a2>	<a3>	<b1>	<b2>	<b3>	<c1>	<c2>	<c3>	<d>
State	County	Census Block	Resident Population per Census Block	Resident Population Newly Reached by Service	Total Resident Population Reached by Service	Road Miles per Census Block	Road Miles per Census Block Newly Reached	Total Road Miles covered per Census Block	Certify that Coverage and Performance data is uploaded (yes/no)
VA	Wythe	511970503022062	0	0	0	0.07			Yes
VA	Wythe	511970503021183	0	0	0	0.01			Yes
VA	Wythe	511970503021211	0	0	0	0.13			Yes
VA	Wythe	511970503022106	0	0	0	0.22			Yes
VA	Wythe	511970503022086	0	0	0	0.01			Yes
VA	Wythe	511970503021222	0	0	0	0.12			Yes
VA	Wythe	511970503022071	0	0	0	0.21			Yes
VA	Wythe	511970503021225	0	0	0	0.17			Yes
VA	Wythe	511970503022095	0	0	0	0.89			Yes
VA	Wythe	511970503021217	0	0	0	0.27			Yes
VA	Wythe	511970503021215	0	0	0	0.22			Yes
VA	Wythe	511970503021177	0	0	0	0.1			Yes
VA	Wythe	511970503021136	0	0	0	0.65			Yes
VA	Wythe	511970503021171	0	0	0	0.38			Yes
VA	Wythe	511970503021092	0	0	0	0.4			Yes
VA	Wythe	511970503022061	0	0	0	0.76			Yes
VA	Wythe	511970503021143	0	0	0	0.06			Yes
VA	Wythe	511970503021204	0	0	0	0.5			Yes
VA	Wythe	511970503021182	0	0	0	0.01			Yes
VA	Wythe	511970503021146	0	0	0	0.03			Yes

Percentage of  
Total Population  
Reached by  
Service



Percentage of Total  
Road Miles covered  
by Service



# Public Reference Copy

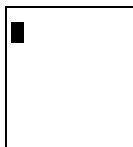
## (060) Coverage and Performance Report

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185

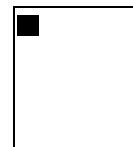
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<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2017
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
<035>	Contact Telephone Number - Number of person identified in data line <030>	7733997940 ext.
<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com
<140>	Coverage and Performance Report Year	01/2016 - 12/2016

<a1>	<a2>	<a3>	<b1>	<b2>	<b3>	<c1>	<c2>	<c3>	<d>
State	County	Census Block	Resident Population per Census Block	Resident Population Newly Reached by Service	Total Resident Population Reached by Service	Road Miles per Census Block	Road Miles per Census Block Newly Reached	Total Road Miles covered per Census Block	Certify that Coverage and Performance data is uploaded (yes/no)
VA	Wythe	511970503021218	0	0	0	0.26			Yes
VA	Wythe	511970503021144	0	0	0	0.04			Yes
VA	Wythe	511970503022097	0	0	0	0.3			Yes
VA	Wythe	511970503021198	0	0	0	0.01			Yes
VA	Wythe	511970503022058	0	0	0	0.01			Yes
VA	Wythe	511970503022087	0	0	0	0.01			Yes
VA	Wythe	511970503022108	0	0	0	2.04			Yes
VA	Wythe	511970503021155	0	0	0	0.01			Yes
VA	Wythe	511970503021216	0	0	0	0.34			Yes
VA	Wythe	511970503021210	0	0	0	0.14			Yes
VA	Wythe	511970503022053	0	0	0	5.7			Yes
VA	Wythe	511970503021191	0	0	0	0.04			Yes
VA	Wythe	511970503022103	0	0	0	0.25			Yes
VA	Wythe	511970503021098	0	0	0	0.08			Yes
VA	Wythe	511970503021200	0	0	0	0.43			Yes
VA	Wythe	511970503021121	0	0	0	0.12			Yes
VA	Wythe	511970503021120	0	0	0	4.2			Yes
VA	Wythe	511970503021179	0	0	0	0.01			Yes
VA	Wythe	511970503021164	0	0	0	2.59			Yes
VA	Wythe	511970503022074	0	0	0	0.17			Yes

Percentage of  
Total Population  
Reached by  
Service



Percentage of Total  
Road Miles covered  
by Service



# Public Reference Copy

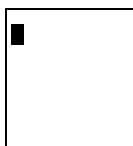
## (060) Coverage and Performance Report

FCC Form 690  
Approved by OMB  
OMB Control No. 3060-1185

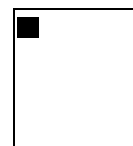
<010>	Study Area Code	198004
<015>	Study Area Name	United States Cellular Corporation
<020>	Program Year	2017
<030>	Contact Name - Person USAC should contact regarding this data	Stephanie Cassioppi
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<039>	Contact Email Address - Email Address of person identified in data line <030>	Stephanie.Cassioppi@USCellular.com
<140>	Coverage and Performance Report Year	01/2016 - 12/2016

<a1>	<a2>	<a3>	<b1>	<b2>	<b3>	<c1>	<c2>	<c3>	<d>
State	County	Census Block	Resident Population per Census Block	Resident Population Newly Reached by Service	Total Resident Population Reached by Service	Road Miles per Census Block	Road Miles per Census Block Newly Reached	Total Road Miles covered per Census Block	Certify that Coverage and Performance data is uploaded (yes/no)
VA	Wythe	511970503021145	0	0	0	0.05			Yes
VA	Wythe	511970503022091	0	0	0	0.07			Yes
VA	Wythe	511970503021123	0	0	0	0.07			Yes
VA	Wythe	511970503021157	0	0	0	0.04			Yes
VA	Wythe	511970503021194	0	0	0	0.08			Yes
VA	Wythe	511970503022105	0	0	0	1.07			Yes
VA	Wythe	511970503022068	0	0	0	0.02			Yes
VA	Wythe	511970503022100	0	0	0	0.07			Yes
VA	Wythe	511970503021091	0	0	0	0.37			Yes
VA	Wythe	511970503021208	0	0	0	1.89			Yes
VA	Wythe	511970503021170	0	0	0	0.16			Yes

Percentage of  
Total Population  
Reached by  
Service



Percentage of Total  
Road Miles covered  
by Service



# **Public Reference Copy**

**FCC Form 690**

**Mobility Fund Phase 1 - §54.1009 Annual Reporting**

**Line 041: Description of documents filed with Form 481 SAC 199004**

The documents filed with FCC Form 481 for SAC 199004 for its annual submission include:

- 199004VA112 Service Quality Improvement Reporting
- 199004VA310 Unfulfilled Service Requests (voice) Detail on Attempts
- 199004VA510 Service Quality Standards & Consumer Protection Rules Compliance
- 199004VA610 Functionality in Emergency Situations

**Public Reference Copy**

**FCC Form 690 Line 211: PROJECT STATUS DESCRIPTION**

**Project Description and Statement of Technical Feasibility**

**Winning Bid Census Tract No. T51197050302 (Wythe, VA)**

**SAC 198004**

**Total Bid Amount: \$1,405,323.00**

**I. Project Summary**

United States Cellular Corporation (“U.S. Cellular”) currently provides wireless services in Virginia. U.S. Cellular operates a 3G/4G wireless voice and data network incorporating state-of-the-art technologies including CDMA [REDACTED] and 4G LTE (Long Term Evolution). For this particular winning bid census tract, U.S. Cellular constructed [REDACTED] cell sites and overlay [REDACTED] existing cell site in order to provide coverage to the unserved qualifying roads in the eligible census blocks within the winning bid census tract.

U.S. Cellular uses [REDACTED] 4G LTE technology to provide the required service. LTE incorporates Multiple In Multiple Out (MIMO) technology, the Orthogonal Frequency Division Multiple Access (OFDMA) air interface in the downlink and Single Carrier FDMA in the uplink. This combination provides high levels of spectral efficiency and network performance, coupled with high network capacity and low latency [REDACTED] 4G LTE.

Installation of new cell sites and the overlay of LTE on an existing cell site will enable U.S. Cellular to meet its public interest obligations to provide rural citizens with access to advanced telecommunications and information technologies that are reasonably comparable to those available in urban areas. U.S. Cellular has identified areas that lack high-quality coverage,



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that is, dead zones where citizens have inconsistent access to wireless network signals or where coverage is insufficient to allow mobile usage without dropped calls.

Use of support from Auction 901 will permit U.S. Cellular improve and expand coverage, and to cover operating and maintenance expenses expected in remote areas that are not expected to be cash flow positive for many years, if ever. In many areas where U.S. Cellular currently serves, consumers have access to data speeds that are insufficient to stream high quality video and transmit large files without significant delay. Installation of 4G service will significantly increase data speeds, well in excess of the 4/1 throughput requirement.

This will serve the public interest by allowing consumers to make more efficient use of high speed products and services, including smart phone devices, providing access to a wide variety of software applications. In every area where coverage is improved, rural citizens will see significant public safety benefits, as access to 911, E-911 and other important communications are all facilitated by improved connectivity in a mobile environment.

### II. Project Timeline

<u>MILESTONES</u>	<u>START</u>	<u>END</u>
1. Network Design		
2. Drafting, Posting of RFPs if applicable		
3. Vendor Selection		
4. Contract Negotiation if applicable		
5. Construction		
6. Meeting requirements for \$\$ Installments		
a. 1st disbursement - upon award, no other requirements		6/15/2013
b. 2nd disbursement -		
i. report demonstrating 50% road miles covered		n/a
ii. 2nd LOC or increase to initial LOC to cover disbursement amount		n/a
c. 3rd/final disbursement -		
i. report demonstrating 75% road miles covered (3yrs for 4G)		

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U.S. Cellular has completed a preliminary network design, which has informed its bidding strategy. U.S. Cellular has also completed its network design and budget, based on the then-current status of its network and then-current costs associated with purchasing the necessary equipment. U.S. Cellular employs radio-frequency engineers, as well as consulting engineers, to develop a final network design plan.

U.S. Cellular has completed its construction project, and has installed equipment needed to upgrade its backhaul and network core facilities, so that all new network equipment that is installed is capable of providing service immediately.

Construction, installation and testing is complete and the actual date of network deployment was [REDACTED]. The information provided in this 690 filing for final disbursement proves that U.S. Cellular has achieved 75% or greater coverage, [REDACTED] coverage. The final disbursement should be [REDACTED], which, with the first disbursement of [REDACTED] equals [REDACTED] of \$1,405,323.00.

### **III. Statement of Technical Feasibility**

These network deployments and improvements are all technically feasible because they represent an extension of U.S. Cellular's existing network, which has been providing service for a number of years. The projected cost of U.S. Cellular's project plan and necessary operating and maintenance expenses exceed the amount of Auction 901 support that it will receive, and the company invested the additional capital needed to complete the project. It has undertaken a financial analysis of the technical feasibility of meeting the FCC's coverage requirements and based on that analysis, it has determined that the combination of support and internally generated capital will be sufficient.

U.S. Cellular understands that the FCC's Auction 901 funding commitment is limited to the winning bid amount, and that U.S. Cellular will be responsible for providing additional internally generated capital, if needed, to meet the Commission's coverage and service requirements.

U.S. Cellular has successfully rolled out 4G LTE service in much of its existing network. U.S. Cellular has familiarity with the challenges of deploying 4G technology as well as established relationships with equipment and handset vendors. U.S. Cellular understands the challenges of deploying a high-speed data network in a rural area and is fully confident that the technology it has chosen is technically feasible and that it has the necessary expertise to deploy a technically capable network solution that meets the FCC's coverage and throughput requirements.

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U.S. Cellular has purchased peripheral technologies such as battery back-ups and diesel generators to ensure that its new network equipment is sufficiently hardened to withstand natural and man-made disasters.

### IV. Budget and Actual Spending Breakdown

Census Tract	County/State	Bid	Project Budget Total
T51197050302	Wythe, VA	\$1,405,323.00	

The following list compares the budget to actual costs incurred as of December 31, 2013 for the activities in the project plan.

USAC Category	Project Budget Detail	Budget - Cost to Complete	Costs Incurred as of 3/4/2016
Network Design	Network Design	In House	In House
Construction			
Deployment			
Maintenance			
	Total		

The projected build plan set forth above, including costs and timeframes, are good-faith estimates based on current information and subject to change, depending on a variety of factors such as but not limited to terrain, zoning or other restriction on land usage, weather, and equipment availability from the selected vendors.